

ABSTRACT OF THE DISCLOSURE

A method for microscopic display of a three-dimensional object wherein the sample (1) is displayed through an interferometer (2). Local probes (9) of nanometric dimensions are introduced in the sample (1). The device for microscopic display of a three-dimensional object includes an interferometer (2), a wide-spectrum source (5), a matrix sensor (6), elements for forming the image of a thin edge of the object on the sensor through the interferometer (2), a unit for processing the image produced by the matrix sensor (6). The device includes elements for inserting local probes in the sample.